

共茂工業股份有限公司

負責人：吳明杰

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主要產品

萬能鉗

C 型鉗

夾鉗

鉸金鉗

企業沿革

- 1979 年** 由吳栢林先生於台中市南區創立「共茂工業股份有限公司」，專注於萬用鉗製造。
- 2000 年** 取得 ISO9002 認證。
- 2006 年** 吳明杰先生接任總經理。
- 2008 年** 成立研發部門，強化組織競爭優勢。
- 2011 年** 成立霧峰廠，擴大生產並移轉部分製程。
- 2013 年** 取得 ISO9001：2008 認證。
- 2014 年** 成立大里廠，擴充沖壓、組裝產線。
- 2017 年** 導入鼎新 ERP 系統、響應工業 4.0，導入自動化設備及機械手臂。
- 2018 年** 取得 ISO9001：2015 認證
- 2019 年** 新增鍛造製程。推動人權及社會責任專案，執行反恐稽核。

- 2020 年** 參與智慧製造 SMB 計畫，導入即時監控系統。
產品取得 GS-MARK 認證
- 2021 年** 獲選「鄧白氏中小企業菁英獎」。
通過人才發展品質管理系統（TTQS）評核。
- 2022 年** 烏日廠落成，整合南區及大里廠。
獲「臺中市進用身心障礙者績優機關（構）-優良事蹟獎」。
獲「台灣創新技術博覽會發明競賽銀牌獎」。
- 2023 年** 進行智慧製造建立第三期機聯網及即時監控系統。
- 2024 年** 參與工業局「智慧機械製造」，建立第四期機聯網及即時監控系統。
取得人才發展品質管理系統（TTQS）評核 - 銅牌

企業簡介

共茂工業於 1979 年由吳栢林先生創立，最初專注於製造萬用鉗，工廠設址於台中南區，僅有 500 坪的生產基地。2006 年由現任總經理吳明杰先生接班，開始大力推動公司現代化轉型，包括擴充生產基地及提升技術設備。

自 2008 年起，公司設立了研發部門，開始進行自主研發並進一步擴充產線，增加產品自製率，導入雷射雕刻機等自動化設備，滿足客戶的客製化需求。

2017 年，共茂響應「工業 4.0」，大規模引入機械手臂與智慧化生產設備，逐步邁向全面自動化與智慧製造。2022 年，公司投資新建烏日廠，合併南區及大里兩廠，成為目前共茂的核心生產基地。2023 年，著手進行溫室氣體盤查及內部控制專案，顯示其在永續經營與環保方面的積極作為。隨著企業的穩定成長，共茂已成為國際手工具製造業中的重要一員。

出口實績及國際競爭力

- 1 產品出口佔營收比重高達 85% 以上，主要銷售市場遍及北美、歐洲、亞洲等地。
- 2 直接外銷的近百家客戶分佈於世界五大洲，主要銷售中高端市場的萬用鉗產品。
- 3 擁有專業團隊，可提供從產品設計、包裝設計、研發至生產的一站式服務。擁有超過 70 產品項專利，產品品項超過 200 種，具備與客戶共同開發能力，可依客戶需求提供客製化產品。

營運管理與績效

- 1 採取垂直整合策略，產品自製率超過 80%，導入先進的機械手臂與自動化生產設備，提高生產效率和產品品質。
- 2 導入 ERP 系統，強化數位管理能力，讓公司能夠即時掌握生產進度，迅速應對市場需求變化。

- 3 逐步導入工業 4.0 的理念，自 2019 年起，實施智慧製造計劃，包括將生產機台聯網，並進行數據監控和分析，以提高產能和穩定性。

永續經營

- 1 公司採取多項節能減碳措施，如在工廠屋頂安裝太陽能板、全面更換 LED 燈具、導入智慧電錶等，以減少二氧化碳排放及能源消耗。
- 2 積極推動員工教育與職涯發展，提供進修機會，並注重包容性工作環境，促進身心障礙者就業，參與公益活動，回饋社會。

綜合評語

- 1 萬能鉗出口量居臺灣第一，全球供應量位居第二，前三大客戶皆為全球重大知名廠商。
- 2 產品自製率超過 80%；導入自動化倉儲，5S 精實管理，智慧化生產（手臂機器人 MES&APS&ERP）。
- 3 創造多元化和包容性的工作環境，包括促進身心障礙員工的就業機會，成為 SEDEX 的成員。



Gong Maw Enterprise Co., Ltd.

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Business Items

Locking Pliers

C-Clamps

Pinch Off Pliers

Axial Welding Pliers

History

- 1979** Mr. Wu Bo-Lin founded Gong Maw Enterprise Co., Ltd. in the South District of Taichung City, focusing on the production of locking pliers.
- 2000** Achieved ISO9002 certification.
- 2006** Mr. Wu Ming-Chieh succeeded as General Manager.
- 2008** Established the R&D department to strengthen organizational competitiveness.
- 2011** Established the Wufeng Plant to expand production and relocate certain processes.
- 2013** Achieved ISO9001:2008 certification.
- 2014** Established the Dali Plant, expanding stamping and assembly lines.
- 2017** Implemented the Digiwin ERP system and embraced Industry 4.0 by introducing automated equipment and robotic arms.
- 2018** Achieved ISO9001:2015 certification.
- 2019** Added a forging process and launched human rights and social responsibility projects, including anti-terrorism audits.

- 2020** Participated in the Smart Manufacturing SMB Project and introduced real-time monitoring systems.
Products received GS-MARK certification.
- 2021** Selected for the " D&B TAIWAN'S TOP 1000 ELITE SME AWARDS "
- Passed the Talent Quality - management System (TTQS) evaluation.
- 2022** The Wuri Plant was completed, integrating the South District and Dali Plants. Awarded for excellence in hiring persons with disabilities by Taichung City. Won the Silver Medal at the Taiwan Innotech Expo.
- 2023** Launched the third phase of smart manufacturing with machine networking and real-time monitoring systems.
- 2024** Participated in the Ministry of Economic Affairs' "Smart Machinery Manufacturing" project, establishing the fourth phase of machine networking and monitoring systems.
Achieve the Talent Quality - management System (TTQS) evaluation - Bronze Medal.

Introduction

GongMaw (GMW) was founded in 1979 by Mr. Wu Bo-Lin, initially focusing on the production of locking pliers. The factory was located in the South District of Taichung, with a production site of just 500 square

meters. In 2006, the current General Manager, Mr. Wu Ming-Chieh, took over and began driving the company's modernization efforts, including expanding the production facilities and upgrading technical equipment.

Since 2008, the company established the R&D department to pursue independent research and development. It further expanded its production lines, increased the in-house manufacturing rate, and introduced automated equipment such as laser engraving machines to meet customer's customized requests.

In 2017, responding to the "Industry 4.0" initiative, GongMaw introduced robotic arms and smart production equipment on a large scale, progressively moving towards full automation and smart manufacturing. In 2022, the company invested in constructing the Wuri Plant, merging the South District and Dali facilities to create GongMaw's current central production base. In 2023, the company initiated greenhouse gas inventory and internal control projects, demonstrating its proactive approach to sustainable operations and environmental responsibility. With steady growth, GongMaw (GMW) has become an important member in the international hand tool manufacturing industry.

Export Competitiveness

- ① Exports account for over 85% of total revenue, with major markets in North America, Europe, and Asia.
- ② Nearly 100 direct export customers are spread across five continents, primarily targeting mid-to-high-end markets.
- ③ GongMaw (GMW) boasts a professional team providing one-stop services from product design

and packaging to R&D and production. With over 70 product patents and more than 200 types of products, the company collaborates with customers to offer customized products based on their needs.

Operation Performance Management

- ① The company adopts a vertical integration strategy, with over 80% of its products manufactured in-house. It utilizes advanced robotic arms and automated production equipment to enhance efficiency and product quality.
- ② GongMaw (GMW) implemented an ERP system to strengthen digital management capabilities, enabling real-time production tracking and swift responses to market demand changes.
- ③ Since 2019, the company has gradually incorporated Industry 4.0 concepts, launching smart manufacturing initiatives, including machine networking and data monitoring, to boost productivity and operational stability.

Sustainable Management

- ① The company has implemented several energy-saving and carbon reduction measures, such as installing solar panels on factory rooftops, fully replacing LED lighting, and introducing smart electricity meters to reduce carbon emissions and energy consumption.
- ② GongMaw (GMW) actively promotes employee education and career development by offering opportunities for further studies and fostering an inclusive work environment. The company also supports the employment of persons with disabilities and participates in various community outreach activities, contributing to social welfare.

